

IN THE CLAIMS:

1. (Currently amended) A software system in cooperation with an (implantable medical device) (IMD) microprocessor and circuitry to provide dynamic, real time display of capacitor charge/discharge performance and energy status, the software system comprising:

a graphical user interface indicating a plurality of status parameters for at least one capacitor operatively coupled to an implantable cardioverter-defibrillator (ICD);

means for initiating access to said plurality of status parameters; and

means for manifesting said dynamic, real time display of the status.

2. (Previously presented) A software system of claim 1 wherein said means for manifesting further includes a status bar indicative of current conditions of at least one of said plurality of status parameters, and wherein an interior portion of said status bar progressively fills in as a given status parameter proceeds toward a predetermined completion status.

3. (Previously presented) A software system of claim 1 further comprising a cancel-operation button operatively coupled to said means for initiating access.

4. (Previously presented) A software system implemented in conjunction with a microprocessor circuitry of an implantable medical device, the software system comprising:

means for displaying a plurality of capacitor status parameters for at least one capacitor operatively coupled to an implantable cardioverter-defibrillator (ICD);

means for tracking voltage/energy level at anytime during charging of said at least one capacitor; and

means for canceling one of a display coupled to the means for tracking and a capacitor charging sequence at anytime during said charging of said at least one capacitor.

5. (Previously presented) A software system of claim 4 wherein said means for displaying includes a charging-rate circuit operation, wherein said charging-rate circuitry is selectably operable in one of a normal mode and a slow mode.
6. (Previously presented) A software system of claim 4 wherein said means for tracking includes a charging status display of temporal voltage/energy levels during a capacitor charging sequence.
7. (Previously presented) A software system of claim 4 wherein a capacitor charging status of a start, charging and complete condition are displayed based on the respective charging status of the capacitor.
8. (Previously presented) A capacitor charging display for at least one capacitor of an implantable medical device, the display comprising:
 - means for displaying a capacitor charging status;
 - means for displaying a starting voltage/energy;
 - means for displaying a target voltage/energy;
 - means for displaying one of an elapsed capacitor charging time and a capacitor charging rate;
 - means for displaying a charging circuit condition;
 - means for canceling a charging operation; and
 - means for displaying a charging progress metric based on voltage/energyof at least one capacitor operatively coupled to an implantable medical device.
9. (Previously presented) A display of claim 8 wherein the screen comprises a programmer screen.
10. (Previously presented) A display of claim 8 wherein the screen comprises a PC screen.

11. (Previously presented) A display of claim 9 wherein the screen comprises a PC screen remotely located from said programmer screen.
12. (Previously presented) A display of claim 11 wherein said PC and programmer are connected in remote data communication therewith.
13. (New) A system to provide dynamic, real time display of data associated with at least one capacitor disposed in an IMD, the system comprising:
 - a programming head wirelessly connected to the IMD;
 - a programming unit coupled to the programming head, the programming unit includes a graphical user interface(GUI), the GUI dynamically displays status data associated with the at least one capacitor, the data being displayed in real time; and
 - a PC coupled to the programming unit, the PC wirelessly transfers the status data to another party to interpret the status data.